IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re app	plication	of:	DATE: DOCKET NO.:	11/13/03 CE11431JLO								
APPLIC SERIAL	NO.:	Fouad C. Freiha	ART UNIT: EXAMINER:	CEITAMEO								
ENTITI	DATE:: LED:	METHOD AND APPARATUS FO	R MOBILE RADIO VELOC	ITY ESTIMATION								
		INFORMATION DISCLO	SURE STATEMENT (IDS	i)								
		nissioner for Patents C. 20231										
	ces liste	ordance with 37 C.F.R. § 1.56 and don attached Form PTO/SB/08 and/nsideration by the United States Pate	or subsequently identified									
I.	COPIES	COPIES										
	a. 🔀	A legible copy of (i) each U.S. and foreign patents; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed, is included herewith.										
	b. Any patents, publications or other information which are listed on Form PTO/SB/which are not enclosed herewith were previously cited by or submitted to the PTO in o of the following applications which has been relied upon for an earlier filing date und 35 U.S.C. § 120:											
		U.S. Serial Number	U.S. Filin	g Date								
II.	CONCI	SE EXPLANATION OF THE REL	EVANCE (check at least o	one box)								
	a. 🔀	Except as may be indicated below i other information are in the English	• •	•								
	b. 🗌	A concise explanation of the relev listed that is not in the English lang		ations or other information								
	c. 🔲	The following additional information	on is provided for the Exam	niner's consideration:								
III. 🔲	CROSS	REFERENCE TO RELATED APP	LICATION(S)									
	The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this (these) applications to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.6 § 122.											
	<u>U.S</u>	. Serial No. <u>U</u> .	S. Filing Date	Art Unit								

FEES

IV. 🛛	THIS I	DS IS BEING FILED UNDER 37 C.F.R. §1.97(b): (check one box)						
	a. 🛛	within three months of the filing date of a national application (37 C.F.R. § 1.97(b)(1)). No fee or statement is required.						
	b. 🗌	within three months of the date of entry of the national stage as set forth in $\S 1.491$ in an international application (37 C.F.R. $\S 1.97(b)(2)$). No fee or statement is required.						
	c. 🗌	before the mailing date of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or statement is required.						
	d. 🗌	In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the statement under 37 C.F.R. § 1.97(e) provided below, or if no statement has been made, charge deposit account 50-2117 the fee set forth in 37 C.F.R. § 1.17(p).						
V. 🗌	THIS IDS IS BEING FILED UNDER 37 C.F.R. §1.97(c): (check one box) before the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.I. 1.97(c)), or a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c)).							
	a. 🗌	No statement; therefore, charge deposit account 50-2117 the fee set forth in 37 C.F.R. § 1.17(p).						
	b. 🗌	See the statement below. No fee is required.						
VI. 🗌	THIS IDS IS BEING FILED UNDER 37 C.F.R. §1.97(d): on or before payment of the issue fee and is accompanied by the following:							
	a statement under 37 C.F.R. § 1.97(e) as provided below;							
	2)	Applicant(s) hereby a petition for consideration of this information disclosure statement; and						
	3)	charge deposit account 50-2117 the petition fee set forth in § 1.17(i).						
VII.	Statement under 37 C.F.R. §1.97(e) (check only one box, if applicable)							
	The undersigned hereby states that:							
	a. 🔲	each item of information contained in the IDS was cited in a communication from a foreign Patent Office is a counterpart foreign application not more than three months prior to the filing of IDS; or						
	b. 🗌	no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and to knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement, or						
	c. 🗌	some of the items of information contained in the IDS were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information						

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VIII.	<u>PAYM</u>	IENT OI	FFEES (check one	box)								
		A check	in the amount of	_\$	is enclo	osed for the above-identified fee(s).						
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	If Applicant has overlooked any additional fees, or if any overpayment has been mad the Commissioner is hereby authorized to credit or debit Deposit Account 50-2117 .											
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					Super	- In						
					Scott 4. Garrett							
					Patent Agent							
					Registration No.	39,988						
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Custo	mer No.	24273			Facsimile:	954-723-5599						
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		OTHER PRIO	R ART – NON PATENT LITERA	ATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), titl of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume									
			Mark D. Austin, Gordon L. Stuber, "Velocity adaptive handoff algorithms for microcellular systems", IEEE transactions on vehicular technology, vol 43, N, 3.								
		E. Karastergios, M.A.K. Sumanasena and B,G, Evans, "Mobile velocity estimator for Ricean fading channels", Electronics letters, 5 th December 2002, Vol 38. No. 25.									
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		Rappaport, ISBN 013-0		reless Communications, Principles and Practice, 2 nd Edition, 232-0							
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U. S. PATENT DOCUMENTS													
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